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BULLETIN
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[No. 3.]

An Enumeration of the Plants Collected by Dr. H. H. Rusby in
South America, 1885-1886.—XI.

(Continued from page 12.)

- Myrcia guajavæfolia*, Berg, l. c. 160. Falls of Madeira (596).
Myrcia phæoclada, Berg, l. c. 167. Yungas, 6,000 ft. (599).
Myrcia prunifolia, DC. l. c. 253. Junction of the Beni and
Madre de Dios (2693); Falls of Madeira (595), the latter
specimens referred here with considerable doubt.
Myrcia sp. near *M. bimarginata*, Berg. Falls of the Madeira (603).
Eugenia Michelii, Lam. Encycl. iii. 203. Unduavi, 8,000 ft.
(2082).
Eugenia flavescens, DC. Prodr. iii. 272. Falls of the Madeira
(606).
Eugenia Macahaensis, Berg l. c. 589? Falls of the Madeira
(588 and 593); Junction of the River Beni and Madre de
Dios (597). Compared with Riedel's No. 353, Herb. Kew.,
and closely related if not identical.
Eugenia Schlechtendahliana, Berg, l. c. 321. Junction of the
Rivers Beni and Madre de Dios (594).
Eugenia Gardneriana, Berg, l. c. 316. Falls of the Madeira
(604). Flowers smaller than in the type.
Eugenia Feijoi, Berg, l. c. 283. Falls of the Madeira (2664).
Eugenia ovalis, Berg, Linnæa, xxvii. 156? Falls of the Ma-
deira (602). Apparently the same as Spruce's No. 5523.
Specimens in leaf only.
Eugenia Chequen (Mol.), H. & A. Near Valparaiso, Chili (583).
Eugenia spectabilis, Phil. Linnæa, xxviii. 639. Same locality (584).
Eugenia, sp. Same locality. (601).

Nos. 591 from Falls of the Madeira and 589 from Junction of
the Beni and Madre de Dios are probably *Eugenias*, but the spec-
imens are indeterminable.

Lecythis pachysepala, Spruce in Mart. Fl. Bras. l. c. 494. Junction of the Rivers Beni and Madre de Dios (2528).

Gustavia angusta, L. Amoen. Acad. viii. 266. Falls of the Madeira (656).

Gustavia Brasiliana, DC. Prodr. l. c. 290. Junction of the Beni and Madre de Dios (657).

As the species of the order Myrtaceæ have been so exceedingly multiplied by Berg, and many of his descriptions are not represented in the Kew Herbarium, I was unable to distinguish any new species among the numerous specimens collected by Dr. Rusby.

MELASTOMACEÆ.

Acisanthera alsinæfolia (DC.), Tri. Trans. Linn. Soc. xxviii. Falls of the Madeira, Brazil (2534).

Pterolepis trichotoma (Rottb.), Cogn. in Mart. Fl. Bras. xiv. (3) 261. Guanai, 2,000 ft. (2325).

Tibouchina granulosa (Desr.), Cogn. Mapiri, 5,000 ft. (2247). var. *ANGUSTIFOLIA*, var. nov. Folia anguste oblonga, 8 cm. longa 2 cm. lata, acuta; petiolis 1 cm. longis. Yungas, 6,000 ft. (2245).

Tibouchina barbigera (Naud.), Baill. Adans. xii. 75. Guanai, 2,000 ft. (2326).

Tibouchina longifolia (Vahl), Baill. l. c. 74. Yungas, 6,000 ft. (2336; 2243); Guanai, 2,000 ft. (2244); Yungas, 4,000 ft. (2549), the latter determination from imperfect specimens and uncertain.

TIBOUCHINA PANICULARIS (Naud.) (*Chaetogastra panicularis*, Naud. Ann. Sci. Nat. (III.) xiv. 129; *Pleroma paniculare*, Triana, Trans. Linn. Soc. xxviii. 46.) Yungas, 4,000 ft. (2327).

TIBOUCHINA CAPITATA (Naud.) Cogn. mss. (*Micranthella capitata*, Naud. l.c. xiii. 350; *Pleroma capitatum*, Triana, l. c.) Mapiri, 2,500 ft. (2727). Det. Cogniaux.

TIBOUCHINA LATIFOLIA (Naud.) (*Micranthella latifolia*, Naud. l. c. 351; *Pleroma latifolium*, Triana, l. c. 47). Yungas, 4,000 ft. (2337); 6,000 ft. (2338).

TIBOUCHINA RUSBYI, Cogn. sp. nov. (sect. *Dictanthera*): ramis junioribus petiolis pedunculis calycibusque brevissime et densiuscule hirtellis; foliis breviter petiolatis, oblongis, basi

rotundatis, apice acutis, integerrimis, 7-nerviis utrinque brevissime dense molliterque villosis; paniculis magnis, terminalibus, pyramidatis, multifloris, inferne foliatis; floribus breviuscule pedicellatis; calycis tubo ovoidea lobis triangulari-lanceolatis, obtusiusculis, tubo paulo brevioribus, staminibus valde inæqualibus, filamentis glabris, majorum connectivo basi breviter producto; stylo glabro.

Rami satis graciles, obtuse tetragoni. Petiolus 1-1½ cm. longus. Folia submembranacea, 7-10 cm. longa, 3-4 cm. lata. Pedicelli graciles, ½-1 cm. longi, minute bracteolati. Calycis tubus 5 mm. longus; lobi 3-4 mm. longi. Petala anguste obovata, brevissime ciliata, 8 mm. longa. Stamina filamenta 3-4 mm. longa; antheræ satis arcuatæ, majores 6 mm. minores 3-4 mm. longæ. Stylus filiformis, 10-12 mm. longus. Unduavi, 8,000 ft. (2339).

TIBOUCHINA BRITTONIANA, Cogn. sp. nov. (sect. *Dictanthera*); ramis junioribus pedunculisque brevissime denseque hirtellis; foliis parvis, breviter petiolatis, anguste ovatis, basi rotundatis, apice obtusis, integerrimis, 5-nerviis, supra brevissime denseque strigillosis, subtus brevissime denseque villosis; paniculis majusculis, terminalibus, multifloris, inferne foliatis; floribus longiuscule pedicellatis; calyce brevissime denseque adpresse hirtello, tubo ovoideo, lobis lanceolato-linearibus, acutis, tubo paulo brevioribus; staminibus satis inæqualibus, filamentis glabris, majorum connectivo basi breviuscule producto; stylo glabro.

Rami satis graciles obscure tetragoni, ferruginei. Petiolus 5-8 mm. longus. Folia rigida, cinerea, 2-3½ cm. longa, 8-14 mm. lata. Pedicelli graciles, ½-1 cm. longi, minute bibracteolati. Calycis tubus 5-6 mm. longus; lobi 3 mm. longi. Petala obovata, tenuissime ciliata, 8-9 mm. longa. Stamina filamenta 4 vel 5 mm. longa; antheræ satis arcuatæ, 6 vel 8 mm. longæ. Stylus filiformis, 12-14 mm. longus. Yungas 4,000 ft. (2341).

TIBOUCHINA LANCEOLATA Cogn. sp. nov. (sect. *Dictanthera*); ramis acutiuscule tetragonis, junioribus pedunculis calycibusque setulis brevibus adpressis rigidiusculis sparse armatis; foliis subparvis, breviter petiolatis anguste lanceolatis, basi obtusiusculis, apice acutis, integerrimis, 5-nerviis, supra breviter sparseque adpresse strigillosis, subtus sparse adpressaque hirtellis, paniculis brevissimis, paucifloris, floribus brevissime

pedicellatis; calycis tubo anguste campanulato, basi acuto, lobis triangularibus, acutis, tubo multo brevioribus; staminibus paulo inæqualibus, filamentis glabris, majorum connectivo breviter producto, stylo glabro.

Rami graciles, purpureo-fusci. Petiolus 2-5 mm. longus. Folia rigidiuscula, 3-6 cm. longa, 7-10 mm. lata. Pedicelli filiformes, basi minute bracteolati, 2-3 mm. longi. Calycis tubus cinereo-fuscus, 4 mm. longus; lobi brevissime ciliati, 1 mm. longi. Staminum filamenta capillaria, 3-4 mm. longa; antheræ subrectæ, 3-4 mm. longæ. Stylus filiformis, 5 mm. longus. Yungas, 4,000 ft. (2343).

TIBOUCHINA STENOPHYLLA Cogn. sp. nov. (sect. *Dictanthera*); ramis obscure tetragonis, junioribus petiolisque setulis longiusculis adpressis rigidiusculis basi tuberculatis sparse armatis; foliis subparvis, breviter petiolatis, anguste lanceolatis, basi subacutis, apice acutis, integerrimis, trinerviis, utrinque sparse adpresseque setulosi; paniculis brevissimis, paucifloris; floribus longiuscule pedicellatis; calyce setis brevibus patulis glandulosis sparse hirtello, tubo oblongo-campanulato, inferne attenuato, lobis triangularibus, acutis, tubo multo brevioribus; staminibus satis inæqualibus, filamentis glabris, majorum connectivo basi longiuscule producto; stylo glabro.

Rami graciles, fuscescentes. Petiolus 3-7 mm. longus. Folia tenuiter membranacea, 3-6 cm. longa, 5-8 mm. lata. Pedicelli filiformes, basi minute bibracteolati, 5-8 mm. longi. Calycis tubus cinereus, 4 mm. longus; lobi ciliati, 1 mm. longi. Staminum filamenta capillaria, 4 vel 5-6 mm. longa; antheræ leviter arcuatæ, 4 vel 6 mm. longæ. Stylus filiformis, 8-9 mm. longus. Capsula ovoidea, 5 mm. longa. Guanai, 2,000 ft. (2323).

TIBOUCHINA PURPURASCENS, Cogn. sp. nov. (sect. *Dictanthera*); ramis obscure tetragonis, junioribus petiolis foliisque pilis rigidiusculis patulis longiusculis subsparse hirtellis; foliis parvis, breviter petiolatis, lanceolatis, basi subrotundatis, apice acuminatis, obscure denticulato-crenulatis, trinerviis; floribus breviter pedicellatis, solitariis, vel subsolitariis; calycis tubo late campanulato, lobis ovato-triangularibus, apiculatis tubo dimidio brevioribus.

Fruticulus 3-4 dm. altus, ramis gracilibus. Petiolus 2-4 mm. longus. Folia tenuiter membranacea, dilute purpureo-

violacea præcipue subtus, 2-4 cm. longa, 6-11 mm. lata. Pedicelli 2-3 mm. longi, ebracteolati. Calyx purpurascens, tubo 4 mm. longo, lobis rigidiusculis, 2 mm. longis. Mapiri, 2,500 ft. (2616).

TIBOUCHINA: sect. nov. OCTOMERIS, Cogn.

Flores 8-meri, pedicellis supra medium bibracteatis. Calycis segmenta persistentia. Antheræ lineares, superne satis attenuatæ, connectivo basi paulo incrassato.

TIBOUCHINA OCTOPETALA, Cogn. sp. nov. (sect. *Octomeris*); ramis junioribus petiolis pedunculisque breviter denseque hirsutis; foliis longiuscule petiolatis, ovato-oblongis, basi rotundatis, apice acutis, integerrimis, 7-nerviis nervis intermediis basi coalitis, supra dense strigoso-hirsutis, subtus breviter denseque villosis; paniculis terminalibus axillaribusque, paucifloris; floribus longiuscule pedicellatis; bracteis subpellucidis, sessilibus, obovato-cuneatis, extus densiuscule breviterque villosis, intus glabris; calyce subadpresse longiuscule denseque striguloso-setoso, tubo subhemisphærico, lobis lanceolato-linearibus, tubum subæquantibus; petalis brevissime ciliatis; staminibus satis inæqualibus, filamentis glabris, majorum connectivo infra loculos breviuscule producto; stylo inferne hirsuto.

Rami robustiusculi, obscure tetragoni, ferruginei. Petiolus 2-3 cm. longus. Folia submembranacea, 1-1½ dm. longa, 5-6 cm. lata. Paniculæ 6 cm. longæ; pedicelli 1-2 cm. longi. Bracteæ purpurascentes, adpressæ, circiter 1 cm. longæ. Calyx purpurascens, tubo 8 mm. longo, 10 mm. lato, lobis 7-8 mm. longis. Petala purpureo-violacea, anguste obovata, 1½ cm. longa. Stamina filamenta 8 vel 10 mm. longa; antheræ majores satis arcuatæ purpurascentes 8 mm. longæ, minores subrectæ, flavæ, 6 mm. longæ. Stylus crassiusculus, 1 cm. longus. Yungas, 4,000 ft. (2332).

Brachyotum microdon (Naud.), Tri. l. c. 49. Unduavi, 8,000 ft. (2340).

Aciotis paludosa (Mart.), Tri. l. c. 51. Mapiri, 5,000 ft. (2333).

Aciotis annua (Mart.), Tri. l. c. 52. Falls of the Madeira (2582).

AXINÆA SPECIOSA, Britt. spec. nova. Arbor; foliis 15 cm. longis, 6 cm. latis, oblongis, coriaceis, utrinque acutis, glabris, 5-nerviis, integris, supra opacis, subtus pallidis, nervis prominentibus; paniculis terminalibus, decompositis, 12 cm. longis, 10 cm. latis; ramis densifloris; floribus 4 cm. latis, pedicellis

15 mm. longis; calycis tubo 6 mm. diametro, hemispherico, 5-dentato; petalis obovatis, obtusis. Mapiri, 2,500 ft. (2328).

Meriania macrophylla (Benth.), Tri. l. c. 66. Yungas, 6,000 ft. (2329).

MERIANIA BOLIVIENSIS, Cogn. sp. nov. (sect. *Eumeriania*); ramis obscure tetragonis, junioribus, petiolis pedunculisque vix furfuraceis; foliis longiuscule petiolatis, anguste ovatis, basi subacutis, apice brevissime et obtusiuscule acuminatis, integerrimis vel vix undulato-denticulatis, 5-plinerviis, supra glaberrimis, subtus vix furfuraceis præcipue ad nervos; paniculis terminalibus axillaribusque, parvis, paucifloris, umbelliformibus; floribus breviuscule pedicellatis, calyce brevissime denseque puberulo, tubo teretiusculo, anguste campanulato, dentibus exterioribus linearibus, tubum æquantibus.

Rami satis graciles, pallide virides. Petiolus 2-2½ cm. longus. Folia tenuiter membranacea, 7-12 cm. longa, 4-6 cm. lata. Paniculae 4-6 cm. longæ; pedicelli densiuscule puberuli, basi bracteati, 3-5 mm. longi. Bractea caduca, lineares, densiuscule furfuraceo-puberulae, 1 cm. longæ. Calyx cinereus, tubo 7-8 mm. longo, lobis interioribus ovatis, 3 mm. longis, dentibus exterioribus 6-7 mm. longis. Petala purpurascencia, obovata, 2 cm. longa. Anthera 4-5 mm. longæ. Stylus filiformis, 10-12 mm. longus. Aff. *M. quintuplinervis* Naud. Yungas, 6,000 ft. (2246).

Adelobotrys adscendens (Sw.), Tri. l. c. 67. Mapiri, 5,000 ft. (2441).

Græffenriedia emarginata (R. & P.), Tri. l. c. 71. Mapiri, 2,500 ft. (2335). A form or variety with very lax inflorescence.

Leandra crenata (Don), Cogn. in Mart. Fl. Bras. xiv. (4) 137. Unduavi, 8,000 ft. (2306); Mapiri, 2,500 ft. (2307).

Leandra aurea (Cham.), Cogn. l. c. 140. Yungas, 6,000 ft. (2304; 2312).

Leandra reversa (DC.), Cogn. l. c. 198. Mapiri, 2,500 ft. (2302).

Leandra dichotoma (Don), Cogn. l. c. 200. Mapiri, 2,500 ft. (2235).

LEANDRA STELLULATA, Cogn. sp. nov. (sect. *Carassanæ*); ramis junioribus petiolis pedunculis foliisque subtus ad nervos pilis patulis breviusculis crispulis apice stellulato-ramosis dense vestitis; foliis longiuscule petiolatis, oblongis, basi subrotundatis, apice acutis, minute denticulatis ciliatisque, leviter 5-plinerviis, supra glabratiss, subtus vix furfuraceo-puberulis; pani-

culis parvis, paucifloris, diffusis, floribus breviter pedicellatis; calyce leviter puberulo, tubo ovoideo, lobis triangularibus, acutis tubo 2-3 plo brevioribus; petalis anguste triangularibus, acuminatis.

Rami graciles, teretiusculi, cinerei. Petiolus $1\frac{1}{2}$ -3 cm. longus. Folia membranacea, in eodem jugo satis inæqualia, 6-12 cm. longa, $2\frac{1}{2}$ -5 cm. lata. Paniculæ 3-4 cm. longæ, pedicelli basi bracteolati, 2-4 mm. longi. Calycis tubus $2-2\frac{1}{2}$ mm. longus; lobi circiter 1 mm. longi. Petala subreflexa, $1\frac{1}{2}$ mm. longa. Stylus 2-3 mm. longus. Affinis *L. subseriata*, Cogn. Yungas, 6,000 ft. (2311a).

Miconia spennerostachya, Naud. l. c. xvi. 187. Guanai, 2,000 ft. (2278). Det. Cogniaux.

Var. *ANGUSTIFOLIA*, Cogn. Folia oblonga, breviuscule acutique acuminata, 12-18 cm. longa, 4-6 cm. lata. Mapiri, 5,000 ft. (2268).

MICONIA PERSICARIÆFOLIA, Cogn. sp. nov. (sect. *Eumiconia*, A. Aplostachyæ, Fl. Bras.); ramis teretiusculis, superne vix compressis, junioribus petiolis pedunculis calycibusque densiuscule stellato-furfuraceis; foliis breviter petiolatis, anguste lanceolatis, longe acuminatis, basi acutiuscule attenuatis, integerrimis, trinerviis, supra glabris, subtus ad nervos nervulosque densiuscule stellato-puberulis, cæteris glabratibus; paniculis spiciformibus, brevibus; floribus sessilibus, glomerulatis, basi bracteolatis; calyce brevissime 5-lobato; antheris linearibus, subrectis, connectivo basi incrassato, antice minute biauriculato, postice gibboso; stylo apice truncato vix incrassato.

Rami satis graciles, cinerei. Petiolus 1-1 $\frac{1}{2}$ cm. longus. Folia membranacea, 8-14 cm. longa, 1-2 cm. lata. Pedunculus communis gracilis, 4-5 cm. longus. Calycis tubus cinereus anguste campanulatus, obscure angulatus, 3 mm. longus. Petala obovata, subacuta, 2 mm. longa. Stamina filamenta 2 mm. longa; antheræ pallidæ, 3 mm. longæ. Stylus filiformis 4 mm. longus.—Aff. *M. aplostachya*, DC. Guanai, 2,000' ft. (992).

Miconia albicans (Sw.), Tri. l. c. 116. Yungas, 6,000 ft. (2299).

Miconia stenostachya, DC. Prodr. iii. 181. Yungas 6,000 ft. (2258).

Miconia Organensis, Gardn. in Hook. Lond. Journ. Bot. ii. 345.

Falls of the Madeira (2281).

Miconia tiliaefolia, Naud. l. c. xvi. 151. Mapiri, 5,000 ft. (2322).

Miconia argyrophylla, DC. l. c. 181. Mapiri, 5,000 ft. (2248).

- Miconia lepidota*, DC. l. c. 180. Mapiri, 2,500 ft. (2253); 5,000 ft. (2271).
- Miconia*, near *M. rhytidophylla*, Naud. Yungas, 6,000 ft. (2269).
- Miconia sessilifolia*, Naud. l. c. 181. Yungas, 4,000 ft. (2270).
- Miconia desmantha*, Benth. Pl. Hartw. 181. Yungas, 4,000 ft. (2265).
- Miconia Ibaguensis* (Bonpl.), Tri. l. c. 110. Yungas, 6,000 ft. (2262; 2289); Guanai, 2,000 ft. (2277). The latter specimen det. Cogniaux.
- Miconia macrophylla* (Don). Tri. l. c. 103. Guanai, 2,000 ft. (2249).
- Miconia tomentosa*, Don. Mem. Wern. Soc. iv. 316. Junction of the Rivers Beni and Madre de Dios (2251).
- Miconia*, related to the last. Mapiri, 5,000 ft. (2248).
- Miconia calvescens*, DC. l. c. 185. Mapiri, 5,000 ft. (2264).
- Miconia prasina* (Sw.), DC. l. c. 188. Mapiri, 5,000 ft. (2257; 2267). A variable species.
- MICONIA MULTIFLORA, Cogn. sp. nov. (sect. *Eumiconia*, F. Paniculares, Fl. Bras.); ramis superne valde compressis, junioribus petiolis paniculis calycibus foliisque subtus dense stellato-puberulis et ferrugineis; foliis longiuscule petiolatis, anguste obovatis, abrupte brevissime obtuseque acuminatis, basi late cuneatis, integerrimis, adjecto utroque nervulo marginali 5-nerviis, supra primum dense stellato-puberulis demum glabris; paniculis majusculis, thyrsoides, ramosissimis, valde multifloris; floribus minute fasciculatis, sessilibus, ebracteolatis; calycis limbo obscure obtuseque 5-lobato; antheris linearibus, paulo arcuatis, connectivo basi brevissime producto et leviter incrassato, sparse glanduloso; stigmatibus subpeltatis.
- Rami robusti. Petiolus robustus, 3-4 cm. longus. Folia subcoriacea, supra pallide viridia, 2 dm. longa. 12 cm. lata, nervis nervulisque subtus valde prominentibus. Paniculæ 2½ dm. longæ. Calyx campanulatus, teretiusculus, 2½ mm. longus. Petala obovata, 2 mm. longa. Stamina filamenta capillaria, 1½ mm. longa; antheræ 2 mm. longæ. Stylus 4 mm. longus. Yungas, 4,000 ft. (2254).
- Miconia ternatifolia*, Tri. l. c. 118. Mapiri, 5,000 ft. (2255); Yungas, 4,000 ft. (2273).
- Miconia minutiflora* (Bonpl.), DC. l. c. 189. Mapiri, 5,000 ft. (2276; 2294).